



# SEQUENCE LISTING

<110> POQUET, ISABELLE  
LLULL, DANIEL

<120> ZINC-REGULATED PROKARYOTIC EXPRESSION CASSETTES

<130> 40526U

<140> 10/525,449

<141> 2005-02-24

<150> PCT/FR03/02606

<151> 2003-08-29

<150> FR 02 10805

<151> 2002-08-30

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<170> PatentIn version 3.5

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<223> Description of Artificial Sequence: Synthetic consensus  
sequence of the pzn bacterial promoter

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<223> a, c, t, g, unknown or other

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<222> (19)..(24)

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32

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<211> 47

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic consensus  
sequence of the pzn bacterial promoter

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32

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56

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<212> DNA  
<213> Lactococcus lactis

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<221> -10\_signal  
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<400> 5  
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57

<210> 6  
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<212> PRT  
<213> Lactococcus lactis

<400> 6  
Met Lys Lys Ile Asn Leu Ala Leu Leu Thr Leu Ala Thr Leu Met Gly  
1 5 10 15

Val Ser Ser Thr Ala Val Val Phe Ala  
20 25

<210> 7  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
primer

<400> 7  
ctaatgagcg ggcttttt  
18

<210> 8  
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<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
primer

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35

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<400> 9  
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acaaaagctg ggtaccgggc cccccctcga ggtcgacggt atcgatagcc cgcctaatga  
120

gcgggctttt ttttgatatc gaattaccgc ggaattcaga tctttgatca aggatctgtc  
180

agctgggttca actagcgggtg gtcaaactgt tagtaataaa acttattggt ttgatgttcg  
240

gcttaaggat ggaaggattt ttcaaataaa aaagtaaaaa ataatgttaa ctgggttgaca  
300

ttatTTTTac tttgctatat aattaaccag taaactaatt atggaggaca aaatactatg  
360

antttagcaa atcaaatcga ccagtttctt ggggcaatta tgcagtttgc anaaaacaag  
420

catgaaatat tactcggcga atgcnaaagt aatgttaagc taacaagcac gcaagaacat

480

atcttaatga ttctagctgc agaggtttcg acaaacgcga gaattgccga gcaactcaag  
540

atttcgccag cagcggtaac taaagctctc aaaaaattac aagagcaaga actgattaaa  
600

tcaagtcggg caacaaatga cgaacgcgta gtcctttgga gcctgacaga aaaagcaatt  
660

ccagttgcta aagaacatgc tgctcatcat gagaaaactc taagtaccta ccaagaatta  
720

ggagacaaat ttactgacga agaacaaaaa gtgataagtc aattcttatac agtacttacg  
780

gaggagtttc gatgaagaaa atattgatgt tatttgctat tccggcagtt ttacttcttg  
840

ctggttgta aaaaacagca gacaaaccag aagttgtgac aacttttgag ccgatgtatg  
900

aatttacgaa agcgattgtt ggagataagg ttaaaattga aaatattgtt ccggcgaatc  
960

aagaagttca cgaatttgaa ccgagtgcca ttacgaaaaa aatggtagaa aatgcaaaga  
1020

aaattgaagt cgagtttgac aaagggtcaaa gaactgataa atatggacgt ggcttagcgt  
1080

atatttatgc tgatggaaaa  
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60

gatgttcggc ttaaggatgg aaggattttt caaataaaaa agtaaaaaat aatgttaact  
120

ggttgacatt atttttactt tgctatataa ttaaccagta  
160

<210> 11  
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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
primer

<400> 11  
caggaaacag ctatgacc  
18

<210> 12  
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<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Synthetic  
primer

<400> 12  
gttctaagga tccattaact taaggag  
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<210> 13  
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<212> DNA  
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<223> Description of Artificial Sequence: Synthetic  
primer

<400> 13  
tttgtgatgc atatgcaaatacaacggctg ttg  
33

<210> 14  
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<212> PRT  
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peptide

<400> 14  
Met Lys Lys Ile Asn Leu Ala Leu Leu Thr Leu Ala Thr Leu Met Gly  
1 5 10 15

Val Ser Ser Thr Ala Val Val Phe Ala Tyr Ala  
20 25

<210> 15

<211> 27  
<212> DNA  
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
primer

<400> 15  
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27

<210> 16  
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<212> DNA  
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<223> Description of Artificial Sequence: Synthetic  
primer

<400> 16  
cctacgtatt agaaatgaat gttaaagc  
28

<210> 17  
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<212> PRT  
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<400> 17  
Met Ser Leu Ala Asn Gln Ile Asp Gln Phe Leu Gly Thr Ile Met Gln  
1 5 10 15

Phe Ala Glu Asn Lys His Glu Ile Leu Leu Gly Lys Cys Glu Ser Asp  
20 25 30

Val Lys Leu Thr Ser Thr Gln Glu His Ile Leu Met Leu Leu Ala Glu  
35 40 45

Gln Ile Ser Thr Asn Ala Lys Ile Ala Glu Lys Leu Lys Ile Ser Pro  
50 55 60

Ala Ala Val Thr Lys Ala Leu Lys Lys Leu Gln Glu Gln Glu Leu Ile  
65 70 75 80

Lys Ser Ser Arg Ala Thr Asn Asp Glu Arg Val Val Leu Trp Ser Leu  
85 90 95

Thr Glu Lys Ala Val Pro Val Ala Lys Glu His Ala Thr His His Glu  
100 105 110

Lys Thr Leu Ser Thr Tyr Gln Glu Leu Gly Asn Lys Phe Thr Asp Glu  
115 120 125

Glu Gln Glu Val Ile Ser Lys Phe Leu Ser Ala Leu Thr Glu Glu Phe  
130 135 140

Gln  
145